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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/647,392	08/26/2003	Jun Okazaki	04329.3118	2035

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EXAMINER

CLOUD, JOIYA M

ART UNIT PAPER NUMBER

2144

DATE MAILED: 10/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/647,392

Applicant(s)

OKAZAKI ET AL.

Examiner

Joiya M. Cloud

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 August 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 August 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 9/03/2004, 8/26/2003.

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

DETAILED ACTION

1. This action is responsive to the application filed on August 26, 2003. Claims 1-11 represent Network Device and Method.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. **Claims 1-11**, are rejected under 35 U.S.C. 102(e) as being anticipated by Hattig (U.S. Patent No. 6775244 B1).

As per claim 1, Hattig teaches a network device comprising: a first connection section (Figure 1, item 20, where the first connection section is the bus 1394 interface configured to connect to the Office network) configured to be connected to a first network (Figure 1, item 16); a second connection section (Figure 1, item 19, where the second connection section is the bus 1394 interface configured to connect to the Bedroom network) configured to be connected to a second network different from the first network (Figure 1, item 14); a control section (the control section is internal and) configured to detect equipment connected to the second network through the second

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connection section (col. 3, lines 20-25) to generate identification information by which the detected equipment is added to the first network (col. 3, lines 39-48), and to transmit the information to the first network through the first connection section (col. 3, lines 39-48, where transmitting the information to the first network is the broadcasting of the generated discovery information).

As per claim 2, Hattig teaches a network device according to claim 1, wherein the control section comprises a reset section (col. 2, lines 60-65) configured to require reconstruction that equipment connected to the second network is added to the first network in a state where there is caused a change in any one of the number of equipment connected to the second network and information on the equipment connected to the second network (col. 2, lines 25-33).

As per claim 3, Hattig teaches a network device according to claim 1, wherein the control section comprises a transfer section configured to receive data supplied from the first network through the first connection section, to specify equipment connected to the second network from identification information included in the data, and to transmit the data (requested discovery information) to the specified equipment (col. 3, lines 39-48).

As per claim 4, Hattig teaches a network device according to claim 1, wherein the control section comprises: a quantity detection section (within the discovery information) configured to detect the number of equipment connected to the second network through the second connection section (col. 3, lines 1-5); an assignment section (broadcast discovery, col. 3, lines 5-30), which configured to generate the same number of identification information as that of the equipment detected by the quantity detection

section (col. 3, lines 5-30), and to assign the information to the equipment connected to the second network, respectively (col. 3, lines 5-30); and a transmitting section (Figure 5, proxy 47) configured to transmit the identification information generated by the assignment section to the first network through the first connection section (col. 3 lines 39-48).

As per claim 5, Hattig teaches a network device according to claim 4, wherein the control section comprises: an information collection section (Figure 3, step s305) configured to collect information on the equipment connected to the second network through the second connection section (col. 3 lines 24-33); and a reset section (col. 2, lines 60-65) configured to require reconstruction that the equipment connected to the second network is added to the first network in a state where there is caused a change in any one of the number of equipment detected by the quantity detection section and information which has been collected by the information collection section (col. 2, lines 25-33).

As per claim 6, Hattig teaches a network device according to claim 4, wherein the control section comprises: an information collection section (Figure 3, step s305) configured to collect information on equipment connected to the second network through the second connection section (col. 3 lines 23-29); a storage section (Figure 3, step S305) configured to store information collected by the information collection section and identification information generated by the assignment section in relation to each other (col. 3 lines 39-48); and a transfer section (Figure 5, proxy 47) configured to receive data supplied from the first network through the first connection section, to

specify equipment connected to the second network, using the identification information included in the data and the contents stored in the storage section, and to transmit the data to the specified equipment(col. 4 lines 24-49).

As per claim 7, Hattig teaches a network method of making data transmission between a first network and a second network different from the first network, comprising: requiring construction by which equipment connected to the second network is added to the first network (col. 2, lines 25-30, where the construction is the adding of the a new device); and transmitting identification information (sends the discovery information), by which equipment connected to the second network is added to the first network, to the first network in a state where the construction is required (col. 4, lines 40-49).

As per claim 8, Hattig teaches a network method wherein the requiring construction is executed in a state where there is caused a change in any one of the number of equipment connected to the second network and information on the equipment connected to the second network (col. 2. lines 25-33).

As per claim 9, Hattig teaches a network method further comprising receiving data supplied from the first network; specifying equipment connected to the second network from the identification information included in the data and transmitting the data to the specified equipment (col. 3, lines 20-30).

As per claim 10, Hattig teaches a network method wherein the transmitting the identification information comprises: detecting the number of equipment connected to the second network (col. 3, lines 1-5); generating the same number of identification

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information as that of the detected equipment (col. 3, lines 5-30) and assigning the identification information to the equipment connected to the second network (col. 3, lines 5-30); and transmitting the identification information, which have been assigned, to the first network (col. 3 lines 39-48)..

As per claim 11, Hattig teaches a network wherein the requiring construction is executed in a state where, after information on the equipment connected to the second network are collected, there is caused a change in any one of the collected information on the equipment and the detected number of the equipment (col. 2. lines 25-33).

As per claim 12, Hattig teaches a network method further comprising collecting information on the equipment connected to the second network (col. 3, lines 1-5); storing the collected pieces of information and the assigned identification information in relation to each other (col. 4, lines 17-23); and receiving data supplied from the first network (col. 4, lines 17-23), specifying the equipment connected to the second network, using the stored contents from the identification information included in the data and transmitting the data to the specified equipment (col. 4, lines 41-49).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joiya Cloud whose telephone number is 571-270-1146. The examiner can normally be reached Monday to Friday from on 7:30am-5:00pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Vaughn can be reached on 571-272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-3922.

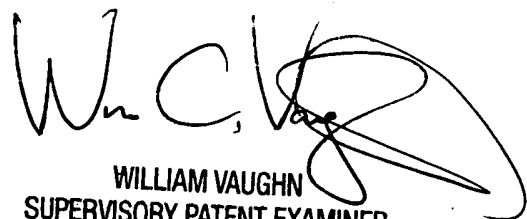
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JMC

William J. Vaughn

Supervisory Patent Examiner

October 13, 2006


WILLIAM VAUGHN
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